

AccountProcessor.apxc

```
public class AccountProcessor {
    @future
    public static void countContacts(List<Id> accountIds){

        List<Account> accountsToUpdate = new List<Account>();

        List<Account> accounts = [Select Id, Name, (Select Id from Contacts) from
Account Where Id in :accountIds];

        for(Account acc:accounts){
            List<Contact> contactList = acc.Contacts;
            acc.Number_Of_Contacts__c = contactList.size();
            accountsToUpdate.add(acc);

        }
        update accountsToUpdate;

    }
}
```

AccountProcessorTest.apxc

```
@IsTest
private class AccountProcessorTest {
    @IsTest
    private static void testCountContacts(){
        Account newAccount = new Account(Name='Test Account');
        insert newAccount;

        Contact newContact1 = new Contact(FirstName='John',LastName='Doe',AccountId
= newAccount.Id);
        insert newContact1;

        Contact newContact2 = new Contact(FirstName='Jane',LastName='Doe',AccountId
= newAccount.Id);
        insert newContact2;

        List<Id> accountIds = new List<Id>();
        AccountIds.add(newAccount.Id);

        Test.startTest();
        Accountprocessor.countcontacts(accountIds);
        Test.stopTest();

    }
}
```

